

MOSO® Bamboo X-treme® CHEAT SHEET

Why MOSO®?

MOSO® Bamboo X-treme decking and siding products score favorable ratings in five reference categories for:

- **Best durability** (Class 1)
- **Fire rating** (decking Class Bfl-s1; cladding Class B-s1-d0 | EN 13501-1; flame spread index Class A | ASTM E84)
- **Solar reflectance** (SR: 32 ASTM C 1549; SRI: Low 27, Medium 30, High 33 ASTM E1980)
- **WUI certification** (meets California fire code requirements for Wildland Urban Interface zone)
- **Fungi resistant** against superficial fungi Class 0 (EN 152); use/risk Class 4 (EN 335)
- **CO2 Neutral** over the full life cycle (Official LCA and carbon footprint studies by Technical University Delft | ISO 14040/44).

Highly stable as a result of the Thermo-Density® process that pairs heat-treatment at 200°C with compression, MOSO® boards can be end-matched (tongue and groove on ends) and allow joints to float between joists.

Application & Use

MOSO® Bamboo X-treme® decking and cladding products can be used in any climate and numerous applications such as exterior decks and walkways, fences, wall coverings, soffits, fascia, and more. You are limited only by your imagination.

- Where can I Install MOSO® Bamboo X-treme® decking?
- *MOSO® Bamboo X-treme® decking products can be used in any exterior application, regardless of temperature extremes, humidity, and exposure to the elements. Sun and/or water exposure will not harm it. It does not overheat like other decking materials, so it is safe underfoot for pets and children. You can see some of our exterior applications in our MOSO® X-treme® photo gallery: (<https://productsdirect.com/design-gallery/moso-bamboo-image-collections.html>)*
- Is MOSO® Bamboo X-treme® decking good for commercial settings?
- *Yes. MOSO® X-treme® has been used in numerous commercial applications from tourist rooftop decks to resort pool patios. See our gallery for some design ideas and images of commercial applications. <https://productsdirect.com/design-gallery/moso-bamboo-image-collections.html>*
- Can I put MOSO® Bamboo X-treme® decking in high traffic zones?
- *Absolutely! MOSO® Bamboo X-treme® is very durable and will not splinter. Dimensionally stable, your bamboo deck will last for decades. Requires periodic pressure washing and occasional UV protective Lasur/ oil refinishing application to maintain the original dark brown look. Weathered, it will transform to a beautiful medium grey.*

- Does MOSO® Bamboo X-treme® decking bend or warp like composites?
- *MOSO® Bamboo X-treme® will not bend or warp due to the structure of the bamboo fibers and the proprietary Thermal Density manufacturing process.*
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- What is the appropriate joist span for MOSO® Bamboo X-treme® decking?
- *Joists can be set at 18" on center. Each board is either 6" or 8" wide and 6' long depending on the profile chosen. See profile options here.*
<https://productsdirect.com/decking/moso-bamboo-x-treme-outdoor-deck-boards-moso-bo-dk.html>
- How do I install MOSO® Bamboo X-treme® decking boards?
- *While PVCs and Composites are more challenging to handle because the cut lengths vary which creates the need for "planning on-the-fly" and can result in waste; all MOSO® Bamboo X-treme® decking boards are 6-foot in length and utilize a proprietary Asymmetric Kick Clip fastener system for simplified installation and less waste. Design can easily be planned out prior to arriving on the job site. Basic carpentry skills are required. Cutting the material does not generate toxic dust or vapors that you get with PVCs and plastics.*
NOTE: *Nailing/fastening of PVC and composite decking requires some accommodation to comply with warranty provisions. Exotic Hardwoods require pre-drill for their anchor fasteners due to their hardness. Neither of these is necessary when using MOSO® Bamboo X-treme® decking.*
- How do I fasten the MOSO® Bamboo X-treme® decking boards to the joists?
- *MOSO® provides proprietary Asymmetric Kick Clips for both siding and decking products. These secure the decking to the joists as well as to each other.*
<https://productsdirect.com/moso-bamboo-asymmetrical-x-treme-outdoor-decking-clip-fasteners-moso-clip-screw-bx08.html>

Design

MOSO® Bamboo X-treme® takes architectural design to a whole new level! Variations in widths, color, and smooth vs grooved profiles bring an element of subtle sophistication to your exterior space.

- Does MOSO® Bamboo X-treme decking come in different wood patterns?
- *Bamboo is a grass, so the finished product is extremely dense. Because of this, MOSO® Bamboo decking, cladding/siding, fascia, soffit, and other building products offer a uniform, elegant, sophisticated beauty and strength that creates a modern alternative to the more traditional wood grain look you may be used to seeing.*
- Are there installation examples of MOSO® Bamboo X-treme® decking available?

- *Oh, yes! Our [design gallery](#) shows some of the most beautiful installations from around the world. And, we would love to include images of your MOSO® Bamboo X-treme® project installation when you finish it!*

Green / Sustainable

MOSO® Bamboo X-treme® building products offer a sustainable alternative to the destructive clear-cut harvesting of the world's forests. A solid contributor to a circular economy, bamboo forests not only replenish themselves; but the carbon stored in bamboo products is a viable fuel source at end of product life.

- Why is MOSO® Bamboo X-treme® decking green?
- *MOSOMOSO® Bamboo X-treme® building products Bamboo X-treme® building products are harvested from groves of bamboo that are simply pruned—never clear-cut. Bamboo building products represent a rapidly growing market gaining popularity because carbon is captured and stored during processing for the life of the product. MOSO® Bamboo X-treme® decking and building products are actually burned, it will not yield toxic fumes like synthetic or treated lumber alternatives. It becomes carbon negative when converted to energy at the end-of-life.*

Cost

Cost is always a consideration in any building project; but we often consider only the up-front costs. That is where we can lose out on true value. MOSO® Bamboo X-treme® decking and building products are comparable in up-front cost to PVC or exotic wood decking material. It is in the maintenance and durability of the product where the real savings begins to be seen.

- What is the cost of MOSO® Bamboo X-treme® decking?
- *MOSO® Bamboo X-treme® decking is on par with the lifetime cost of other decking products; but will last up to four times (4X's) longer than pressure-treated softwoods. In addition, due to the consistent 6' board length, end-matching join system, and proprietary Asymmetric Kick Clips system, planning and installation is easy and fast, and can result in savings of up to 30% on the cost of installation. Maintenance costs depend on the look you want. Leaving MOSO® Bamboo X-treme® decking natural will result in a weathered grey look that will not splinter, split, or crack like other decking materials. If you*
- *wish to keep that newly installed look, simply pressure wash and apply a coat of oil each year or, as weather and use dictate.*

Durability

MOSO® Bamboo X-treme® decking is an extremely durable and stable building product. The installation methods are even engineered to promote stability.

- How durable is MOSO® Bamboo X-treme® decking?
- *MOSO® Bamboo X-treme® decking will last 20-30 years under normal use. The 30-year warranty is a testament to the durability of the product. As with exotics, bamboo decking will weather to a medium gray color, but can be maintained with oil applications to retain a deep resilient brown. MOSO® Bamboo X-treme® decking is harder than exotic wood and has a similar life expectancy. While PVC and composites products claim a 30-year life span, they have a history of movement after installation (resulting both from the nature of the product as well as the method of installation) which can cause cracking, splitting, or bowing.*

Installation

Installation of MOSO® Bamboo X-treme® decking is a breeze. Because of the consistency in board lengths, planning and design are also easier and can be done in advance.

- Is MOSO® Bamboo X-treme® decking easy to install?
- *MOSO® Bamboo X-treme® comes only in 6-foot lengths, with several widths available to increase design options and ensure ease of fit. A proprietary Asymmetric Kick Clips fastener system simplifies installation and aids durability and stability. Basic carpentry skills are required. Cutting the material does not generate toxic dust or vapors. PVCs and Composites: Cutting the material generates a toxic dust or vapor(s), so special PPE is required for lung safety. In addition, PVCs and Composites are more challenging to handle because the cut lengths vary. Because there is no way to know what length the boards will be before delivery, final design is done onsite; and, may result in waste. Nailing and/or fastening of PVCs and Composites requires various accommodation(s) to comply with warranty provisions; while Exotic Hardwoods require pre-drilling before inserting anchor fasteners due to the hardness of the material.*

Performance / User Friendliness

MOSO® Bamboo X-treme® decking performance after installation is a best-of-class product. Ease of installation, choice of maintenance, and carbon neutral disposal are the hallmarks of this 21st Century product.

- Overall, how does MOSO® Bamboo X-treme® decking perform?
- *Never too hot for tiny feet, and free of cracks and splinters, MOSO® X-treme Bamboo decking consistently performs like a champion and will never splinter or sag.*